

A SELF-CONTAINED AND STREAMLINED METHANE
AND/OR HIGH PURITY HYDROGEN GENERATION SYSTEM

ABSTRACT OF THE INVENTION

5 A process for producing methane and/or high purity hydrogen from
anaerobically decomposed organic materials as well as a methane and/or high purity
hydrogen generation system that operates in accordance with this process, are
provided. The inventive system, which is capable of delivering at least 40 slpm of the
desired product gas or gases, is completely self-contained, requiring no outside
10 sources of energy, and is made up of fewer components, thereby allowing for a
reduced plant footprint, and a more cost-effective source of renewable methane and
hydrogen.

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